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(54) New carrier catalyst for the polymerization of ethylene.

(57) The invention provides an olefin polymerization catalyst system of which the procatalyst comprises a solid carrier with a magnesium compound, an electron donor compound and monocyclopentadienyl titanium trichloride on its surface. A method for the preparation of such a procatalyst is also disclosed, comprising impregnating a solid carrier with a solution obtainable by dissolving a magnesium compound and monocyclopentadienyl titanium trichloride in a compound having electron donor properties. The use of the olefin polymerisation catalyst system in a process for polymerizing olefins is also disclosed.

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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Y	US-A-4 383 095 (G.L.GOEKE) * column 13, line 9 - line 58 * -----	1-12	C 08 F 4/654 C 08 F 10/00
Y	WO-A-8 810 275 (THE DOW CHEMICAL COMPANY) * claim 1 * -----	1-12	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			C 08 F
The present search report has been drawn up for all claims			
Place of search		Date of completion of search	Examiner
The Hague		10 September 91	SERRAVALLE M.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document			